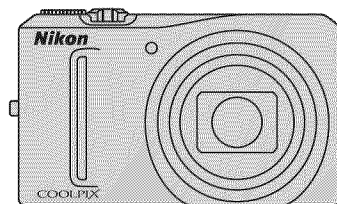


Nikon

DIGITAL CAMERA

COOLPIX S9100

User's Manual



En

Recording Movies

High-definition movies with sound can be recorded.

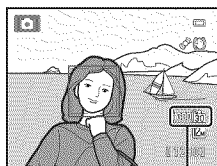
- Each movie is limited to a file size of 4 GB and a movie length of 29 minutes, even when there is sufficient free space on the memory card for longer recording (149).
- The angle of view (i.e., the area visible in the frame) for movies is narrower compared to that of still images.

If **Monitor settings** (175) in the setup menu is set to **Movie frame+auto info**, the area that will be visible in the movie can be confirmed before movie recording starts.

1 Turn on the camera and be sure that it is in shooting mode.

Movies can be recorded in any shooting mode (45).

The icon for the selected movie option is displayed. The default setting is **1080p HD 1080p★ (1920×1080)** (148).



Movie option

2 Press the **MOVIE** (movie-record) button to start movie recording.

Movie recording begins after the monitor briefly turns off.

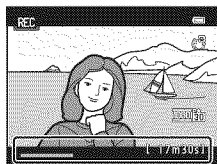
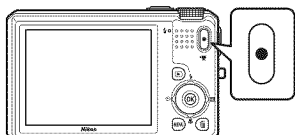
The camera focuses at the center of the frame. Focus areas are not displayed during recording.

When recording movies in HD or Full HD, monitor display changes to an aspect ratio of 16:9 with movie recording (the area indicated at right is recorded).

The approximate remaining movie length is displayed during recording.

Recording stops automatically when the maximum movie length has been recorded.

If the shutter-release button is pressed all the way while recording, one frame is saved as a still image (142).



3 Press the **MOVIE** (movie-record) button again to end recording.





Note on Saving Movies

After a movie has been recorded, it is not fully saved to the internal memory or memory card until monitor display returns to the shooting display. **Do not open the battery-chamber/memory card slot cover** before movies have been fully saved. Removing the memory card or the battery while a movie is being saved may result in loss of the movie data or damage to the camera or to the memory card.

✓ Notes on Recording Movies

- Memory cards with an SD Speed Class rating of 6 or faster are recommended when recording movies (📖 198). Movie recording may stop unexpectedly when memory cards with a lower Speed Class ratings are used.
- There may be some degradation in image quality when digital zoom is used. If the digital zoom is not being used when movie recording begins, rotating and holding the zoom control at **T** zooms the image using optical zoom and the zoom stops at the maximum optical zoom ratio. After letting go of the zoom control, rotate the zoom control to **T** again to magnify the image using the digital zoom.
- When recording ends, digital zoom turns off.
- The sounds of zoom control operation, zoom, autofocus lens drive movement, and aperture operation when brightness changes may be recorded.
- The following phenomena may be seen in the monitor while recording movies. These phenomena are saved in the recorded movies.
 - Banding may occur in images under fluorescent, mercury-vapor, or sodium-vapor lighting
 - Subjects that move quickly from one side of the frame to the other, such as a moving train or car, may appear skewed
 - The entire movie image may be skewed when the camera is panned.
 - Lighting or other bright areas may leave residual images when the camera is moved




✓ Notes on Autofocus

- When  **Single AF** (default setting) is selected for **Autofocus mode** in movie menu, focus is locked by pressing the  (movie-record) button to start recording (📖 150).
- Autofocus may not perform as expected (📖 29). Should this occur, try the following:
 1. Set **Autofocus mode** in the movie menu to  **Single AF** (default setting) before starting movie recording.
 2. Frame another subject—positioned at the same distance from the camera as the intended subject—in the center of the frame, press the  (movie-record) button to start recording, and then modify the composition.

✓ Camera Temperature

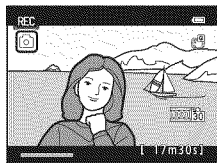
The camera may become warm when shooting movies for an extended period of time or when the camera is used in a hot area; this is not a malfunction.

Functions Available with Movie Recording

- The creative slider, white balance (when using  (auto) mode, continuous shooting mode), or exposure compensation settings are also applied when recording movies. The tone that results from using special effects mode (📖 85) or scene mode (📖 64) is also applied to movies. When macro mode is enabled, movies of subjects closer to the camera can be recorded. Confirm settings before starting movie recording.
- The self-timer (📖 35) can be used. If the self-timer is set and the  (movie-record) button is pressed, the camera focuses and starts movie recording after ten or two seconds.
- The flash will not fire.
- Press the **MENU** button to select the  (movie) tab and adjust movie menu settings before starting movie recording (📖 146).

Capturing Still Images While Recording Movies

If the shutter-release button is pressed all the way while recording a movie, one frame is saved as a still image (except when **Movie options** (148) is set to **iFrame** **iFrame 540 (960×540)**). Movie recording continues while the still image is being saved.



- A still image can be saved when is displayed at the top left of the monitor.
- is not displayed while saving still images. Another still image cannot be saved until is displayed again.
- The image size of the saved still image depends on the **Movie options** (148) settings. The compression ratio is approximately 1:8.

Movie options	Size of still image
HD 1080p★ (1920×1080)/ HD 1080p (1920×1080)	(1920 × 1080)
HD 720p (1280×720)	(1280 × 720)
VGA (640×480)	(640 × 480)

Notes on Saving Still Images During Movie Recording

- When the remaining movie length is less than 30 seconds, still images cannot be saved.
- When recording an HS movie (143), still images cannot be saved.
- The sound of the shutter-release button being pressed may be heard in the recorded movie.
- If the camera moves when the shutter-release button is pressed, the image may be blurred.

File Names of Saved Still Images

The file numbers assigned to captured still images ascend in order, starting with the file number of the movie being recorded +1.


More Information

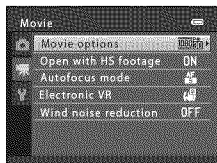
See “File and Folder Names” (199) for more information.

Recording Movies in Slow Motion and Fast Motion (HS Movie)

HS (high speed) movies can be recorded. The portions of the movie recorded using HS movie can be played back in slow motion at 1/8 or 1/2 of normal playback speed, or played back in fast motion at a speed two times faster than normal speed. While recording movies, the camera can be switched from normal speed movie recording to slow motion or fast motion movie recording.

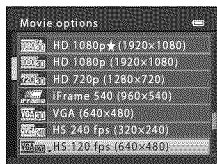
- HS movies →  145

- 1 Display the movie menu ( 146), use the rotary multi selector to choose **Movie options**, and then press the **OK** button.



- 2 Confirm or change HS movie settings, and then press the **OK** button.

Movie Options →  148

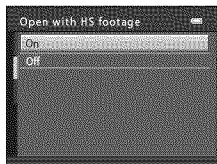


- 3 Select **Open with HS footage** and press **OK** to choose whether the camera records normal speed movies or HS movies (slow motion or fast motion movies) when movie recording starts.

On (default setting): HS movies are recorded when recording begins.

Off: Normal speed movies are recorded when recording begins. Press the **OK** button to switch to HS movie recording at the point where the camera should record for slow motion or fast motion playback.

Press the **MENU** button after changing the settings and return to the shooting screen.



4 Press the **●** (▶ movie-record) button to start recording.

Movie recording begins after the monitor briefly turns off. The camera focuses at the center of the frame. Focus areas are not displayed during recording.

When the **Open with HS footage** checkbox in the movie menu is turned on, HS movies are recorded when recording begins.

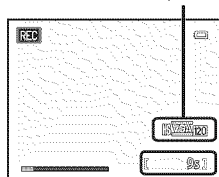
When the **Open with HS footage** checkbox in the movie menu is turned off, normal speed movies are recorded when recording begins. Press the **OK** button to switch to HS movie recording at the point where the camera should record for slow motion or fast motion playback.

If the maximum movie length for HS movies (📖 148) is exceeded, or if the **OK** button is pressed, the camera switches to normal speed movie recording. The camera switches between normal speed movie recording and HS movie recording each time the **OK** button is pressed.

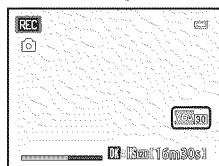
When recording HS movies, the maximum movie length display changes and displays the remaining movie length for HS movie recording.

The HS movie options that are displayed change depending on the type of movie being recorded.

HS movie options




When recording HS movies



When recording normal speed movies


5 Press the **●** (▶ movie-record) button to end recording.

✓ Notes on HS Movie

- Portions recorded for slow motion or fast motion playback are not recorded with sound.
- When recording HS movies, vibration reduction cannot be used. Zoom position, focus, exposure, and white balance are locked when the  (movie-record) button is pressed to start recording.

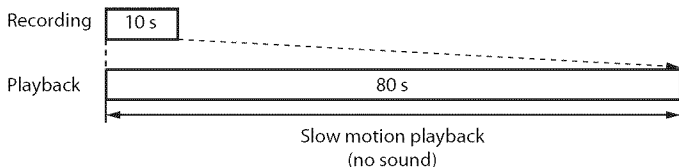
HS Movie

Recorded movies are played back at about 30 frames per second, including portions recorded using HS movie.

When **Movie options** ( 148) is set to **HS 240 fps (320×240)**, **HS 120 fps (640×480)**, or **HS 60 fps (1280×720)**, movies that can be played back in slow motion can be recorded. When set to **HS 15 fps (1920×1080)**, movies that can be played back in fast motion at a speed two times faster than normal speed can be recorded.

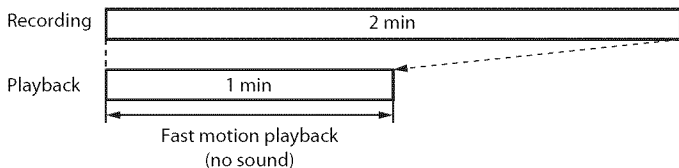
Portions recorded at HS 240 fps (320 × 240):

High-speed capturing is possible for up to ten seconds. Portions captured at high speed are played back in slow motion at a speed eight times slower than normal speed.





Portions recorded at HS 15 fps (1920 × 1080):

A movie of up to two minutes in length is recorded when shooting for the purpose of high-speed playback. Playback is two times faster.



Returning from HS Movie Setting to Normal Speed Movie Setting

In **Movie options** in the movie menu, select the normal speed movie type and press the  button ( 140, 148).

Changing Movie Recording Settings

The following options can be adjusted from the movie menu.

Movie options

148

Select the desired movie option to record. The camera can record normal speed movies and high speed (HS) movies, which can be played back in slow motion or fast motion.

Open with HS footage

143, 150

When the camera is configured in the **Movie options** screen to record HS movies (slow motion or fast motion movies), select whether the camera records normal speed movies or HS movies when movie recording starts.

Autofocus mode

150

Select how the camera focuses during movie recording.

Electronic VR

When the camera is configured in the **Movie options** screen to record normal speed movies, select whether the camera uses electronic vibration reduction.

Wind noise reduction



151

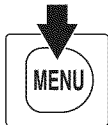
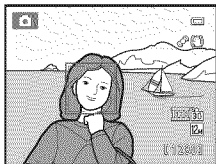
Set whether or not to reduce wind noise during movie recording.

Displaying the Movie Menu

- 1 Press the **MENU** button in shooting mode.

The menu is displayed.


If the **MENU** button was pressed in  (scene auto selector), press the rotary multi selector ( 11) ◀ to display the tabs.

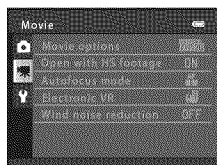



- 2 Press the rotary multi selector ◀.

Tab selection is activated.




- 3** Press ▲ or ▼ to choose the  tab.

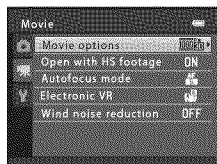


- 4** Press ► or the  button.

The movie menu items can be selected.

Use the rotary multi selector to choose and apply settings ( 11).

To exit the movie menu, press the **MENU** button or ◀ to select a different tab.











Movie Options




Switch to shooting mode → MENU →  (Movie)  146 → Movie options

Select the options for recording movies.

Larger image sizes and faster movie bitrates mean greater image quality and larger movie file sizes.

- When recording normal speed movies,  **HD 1080p★ (1920×1080)**,  **HD 1080p (1920×1080)**,  **HD 720p (1280×720)**,  **iFrame 540 (960×540)**, and  **VGA (640×480)** are available.
- When recording HS movies,  **HS 240 fps (320×240)**,  **HS 120 fps (640×480)**,  **HS 60 fps (1280×720)**, and  **HS 15 fps (1920×1080)** are available.






Type	Description
 HD 1080p★ (1920×1080) (default setting)	Movies with an aspect ratio of 16:9 are recorded in Full HD. This option is suited to playback on a TV that supports Full HD. <ul style="list-style-type: none"> Image size: 1920 × 1080 pixels Movie bitrate: 14 Mbps
 HD 1080p (1920×1080)	Movies with an aspect ratio of 16:9 are recorded in Full HD. This option is suited to playback on a TV that supports Full HD. <ul style="list-style-type: none"> Image size: 1920 × 1080 pixels Movie bitrate: 12 Mbps
 HD 720p (1280×720)	Movies with an aspect ratio of 16:9 are recorded in high definition. This option is suited to playback on a wide screen TV. <ul style="list-style-type: none"> Image size: 1280 × 720 pixels Movie bitrate: 9 Mbps
 iFrame 540 (960×540)	Movies with an aspect ratio of 16:9 are recorded. A format supported by Apple Inc. <ul style="list-style-type: none"> Image size: 960 × 540 pixels Movie bitrate: 24 Mbps Still images cannot be saved during movie recording ( 142), and movies cannot be edited ( 153). When recording movies to the internal memory, recording may stop unexpectedly in some shooting conditions. When recording movies of important events, recording to a memory card (class 6 or higher) is recommended.
 VGA (640×480)	Movies with an aspect ratio of 4:3 are recorded. <ul style="list-style-type: none"> Image size: 640 × 480 pixels Movie bitrate: 640 kbps
 HS 240 fps (320×240)	1/8-speed slow motion movies with a 4:3 aspect ratio are recorded. <ul style="list-style-type: none"> Max. recording time*: 10 seconds (playback time: 80 seconds) Image size: 320 × 240 pixels Movie bitrate: 640 kbps

Type	Description
 HS 120 fps (640×480)	1/4-speed slow motion movies with a 4:3 aspect ratio are recorded. <ul style="list-style-type: none"> • Max. recording time*: 10 seconds (playback time: 40 seconds) • Image size: 640 × 480 pixels • Movie bitrate: 3 Mbps
 HS 60 fps (1280×720)	1/2-speed slow motion movies with a 16:9 aspect ratio are recorded. <ul style="list-style-type: none"> • Max. recording time*: 30 seconds (playback time: 1 minute) • Image size: 1280 × 720 pixels • Movie bitrate: 9 Mbps
 HS 15 fps (1920×1080)	2x speed fast motion movies with a 16:9 aspect ratio are recorded. <ul style="list-style-type: none"> • Max. recording time*: 2 minutes (playback time: 1 minute) • Image size: 1920 × 1080 pixels • Movie bitrate: 12 Mbps

* The maximum recording time shown here refers only to the portion of the movie that is recorded in slow motion or fast motion.

- The movie bitrate is the volume of movie data recorded per second. Variable bitrate (VBR) encoding is used to automatically adjust the bitrate depending on the subject being recorded. When recording movies of subject with large amounts of motion, the file size increases.
- The frame rate is approximately 30 frames per second in any options.

Maximum Movie Length

Type	Internal memory (approx. 74 MB)	Memory card (4 GB)*
 HD 1080p★ (1920×1080) (default setting)	42 s	35 min
 HD 1080p (1920×1080)	49 s	40 min
 HD 720p (1280×720)	1 min 5 s	55 min
 iFrame 540 (960×540)	21 s	15 min
 VGA (640×480)	3 min 9 s	2 h 30 min



All figures are approximate. The maximum movie length may vary by make of memory card.

* Each movie is limited to a file size of 4 GB and a movie length of 29 minutes, even when there is sufficient free space on the memory card for longer recording. The maximum movie length that can be recorded for a single movie is displayed during recording.


More Information

See “File and Folder Names” (📖 199) for more information.

Open with HS Footage

Switch to shooting mode → MENU →  (Movie)  146 → Open with HS footage




Select whether the camera records normal speed movies or HS movies (slow motion or fast motion movies) when movie recording starts.

Option	Description
On (default setting)	Record HS movies when movie recording begins.
Off	Record normal speed movies when movie recording begins. Press the  button to switch to HS movie recording at the point where the camera should record for slow motion or fast motion playback.

Autofocus Mode

Switch to shooting mode → MENU →  (Movie)  146 → Autofocus mode

Select the autofocus method used when recording normal speed movies.

Option	Description
 Single AF (default setting)	Focus is locked when the  (movie-record) button is pressed to start recording. Select this option when the distance between the camera and the subject will remain fairly consistent.
 Full-time AF	Camera focuses continuously. Select this option when the distance between the camera and subject will change significantly during recording. The sound of the camera focusing may be heard in the recorded movie. Use of Single AF is recommended to prevent the sound of the camera focusing from interfering with recording.


Autofocus Mode During Movie Recording


When using the **Fireworks show** scene mode, the camera focuses at infinity.

Electronic VR

Switch to shooting mode → MENU →  (Movie) (📖 146) → Electronic VR

When the camera is configured in the **Movie options** screen to record normal speed movies, select whether the camera uses electronic vibration reduction.


Option	Description
 On (default setting)	Reduces the effects of camera shake when recording movies.
OFF Off	Electronic vibration reduction is disabled.

When **Electronic VR** is set to **On**,  is displayed when movie recording starts (📖 6).


Note on Electronic Vibration Reduction

When recording HS movies, vibration reduction cannot be used.

Wind Noise Reduction

Switch to shooting mode → MENU →  (Movie) (📖 146) → Wind noise reduction

Select whether wind noise is reduced when recording normal speed movies.

Option	Description
 On	Reduces the sound heard when wind passes over the microphone. Use when recording movies in locations with strong winds. Other sounds may become difficult to hear during playback.
OFF Off (default setting)	Wind noise reduction is not enabled.

The wind noise reduction setting can be confirmed in the monitor when shooting (📖 6). When **Off** is selected, an icon for the current setting is not displayed.

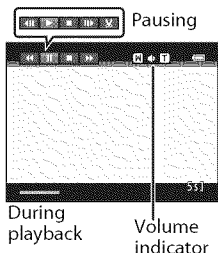
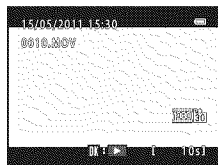
Movie Playback

In full-frame playback mode (89), movies can be identified by the **Movie options** icon (148). To play a movie, display it in full-frame playback mode and press the **OK** button.

Rotate the zoom control to **T** or **W** to adjust playback volume.

Rotate the rotary multi selector to advance or rewind the movie.

Playback controls are displayed at the top of the monitor. Press the rotary multi selector ◀ or ▶ to choose a control. The operations described below are available.



Function	Icon	Description
Rewind	◀	Hold down the OK button to rewind the movie.
Advance	▶	Hold down the OK button to advance the movie.
Pause	⏸	Press the OK button to pause playback. The following operations can be performed while playback is paused using the controls displayed at the top in the monitor.
		◀ Press the OK button to rewind the movie. Hold down the OK button for continuous rewinding.*
		▶ Press the OK button to advance the movie. Hold down the OK button for continuous advancing.*
		▶ Press the OK button to resume playback.
	✂	Press the OK button to cut unwanted portions of a movie so that only the desired portions of a movie are saved (153).
End	■	Press the OK button to return to full-frame playback mode.

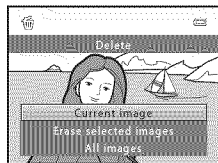
* The movie can also be advanced or rewound by rotating the rotary multi selector.

✓ Playing Back Movies

The COOLPIX S9100 is not able to playback movies recorded with another make or model of digital camera.

Deleting Movies


Select a movie and press the **Delete** button in full-frame playback mode (89) or thumbnail playback mode (94). A confirmation dialog is displayed. See “Deleting Unwanted Images” (31) for more information.



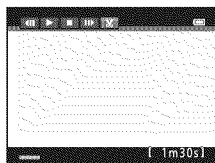
Editing Movies


The desired portions of a recorded movie can be saved as a separate file (except movies recorded using **iFrame 540 (960×540)** (148)).

1 Play back the desired movie and pause playback (152).

2 Press the rotary multi selector ◀ or ▶ to choose the  control, and then press the **OK** button.

The movie edit screen is displayed.

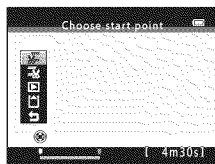



3 Press ▲ or ▼ to choose the  control (choose start point).

When editing begins, the frame where playback was paused is the start point.


Rotate the rotary multi selector or press ◀ or ▶ to move the start point to the beginning of the desired portion of the movie.

To cancel editing, press ▲ or ▼ to choose  (return), and press the **OK** button.



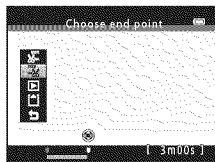
4 Press ▲ or ▼ to choose  (choose end point).


Rotate the rotary multi selector or press ◀ or ▶ to move the end point on the right edge to the end of the desired portion of the movie.

Select  (preview) and press the **OK** button to play back the specified portion of the movie that will be saved.

While the preview is playing, rotate the zoom control to **T/W** to adjust the volume.

Rotate the rotary multi selector to advance or rewind the movie. While the preview is playing back, press the **OK** button again to stop playback.

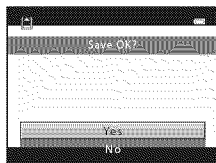


5 When the settings are finished, press ▲ or ▼ to choose  **Save** and press the **OK** button.

6 Choose **Yes** and press the **OK** button.

The edited movie is saved.

To exit without saving, select **No**.



Notes on Movie Editing

- A movie that was created by editing cannot be trimmed again. To trim another area of the movie, select and edit the original movie.
- Movies are trimmed in one-second intervals, therefore the actual trimmed portion of the movie may differ slightly from the selected start and end points. Movies cannot be trimmed so that they are less than 2 seconds long.
- Editing functions are not available when there is not enough free space in the internal memory or on the memory card to save the edited copies.

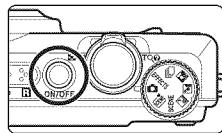
More Information

See "File and Folder Names" (199) for more information.

Connecting to a TV

Connect the camera to a television to play images or movies back on the television. If your TV is equipped with an HDMI jack, a commercially available HDMI cable can be used to connect the camera to the TV for high-definition display.

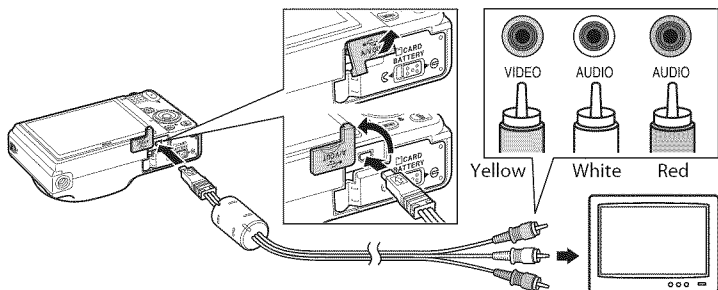
- 1 Turn off the camera.



- 2 Connect the camera to the TV.

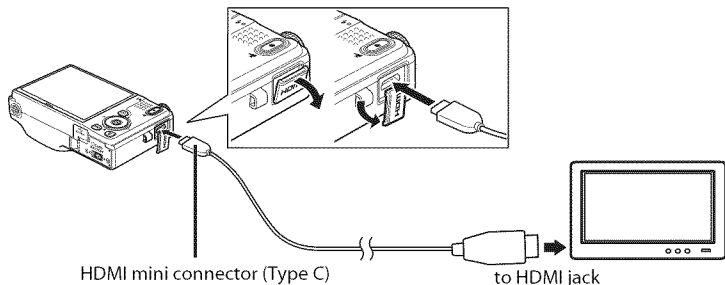
When using the supplied audio/video cable

Connect the yellow plug to the video-in jack and the white and red plugs to the audio-in jacks on the TV.



When using a commercially available HDMI cable

Connect the plug to the HDMI jack on the TV.



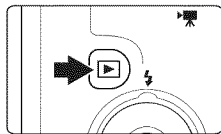
3 Tune the television to the video channel.

See the documentation provided with your television for details.




4 Hold down the button to turn on the camera.

The camera enters playback mode and images are displayed on the television.

While connected to the TV, the camera monitor will remain off.





Notes on Connecting the HDMI Cable

- HDMI cable is not provided. Use a commercially available HDMI cable to connect the camera to a high-definition TV. The output terminal on this camera is an HDMI mini connector (type C). When purchasing an HDMI cable, be sure that the device end of the cable is an HDMI mini connector.
- **Image mode** ( 47) settings of  **2048×1536** or higher and **Movie options** ( 148) settings of **HD 720p (1280×720)** or higher are recommended for images or movies that will be played back on a TV via HDMI connection.

Notes on Connecting the Cable

- When connecting the cable, be sure that the camera connector is properly oriented. Do not use force when connecting the cable to the camera. When disconnecting the cable, do not pull the connector at an angle.
- Do not connect cables to the HDMI mini connector (Type C) and to the USB/audio/video output connector simultaneously.


If the Images Are Not Displayed on the Television

Be sure that the camera's video mode setting in the **Set up** menu ( 169) → **TV settings** ( 186) conforms to the standard used by your television.

Using a TV Remote Control (HDMI Device Control)

The remote control of an HDMI-CEC-compatible TV can be used to control playback.

It can be used instead of the camera's rotary multi selector and zoom control to select images, start and pause movie playback, scroll playback of images captured using easy panorama, and switch between full-screen playback mode and 4-image thumbnail display.

- Set the **HDMI device control** setting ( 186) of **TV settings** to **On** (default setting) and then connect the camera and TV using an HDMI cable.
- Aim the remote control at the TV when operating it.
- Refer to the TV's operating instructions for information about the TV's HDMI-CEC compatibility.

Connecting to a Computer

Use the supplied USB cable to connect the camera to a computer and copy (transfer) images to the computer.

Before Connecting the Camera

Install the Software

Use the supplied ViewNX 2 CD and install the following software on the computer. For more information on installing the software, refer to the *Quick Start Guide*.

- ViewNX 2: Use the image transfer feature “Nikon Transfer 2” to save images that were captured with the camera on the computer. Saved images can be viewed and printed. Image and movie editing features are also supported.
- Panorama Maker 5: This software can join a series of images to create a single panorama image.

Compatible Operating Systems

Windows

Windows 7 Home Basic/Home Premium/Professional/Enterprise/Ultimate, Windows Vista Home Basic/Home Premium/Business/Enterprise/Ultimate (Service Pack 2), or Windows XP Home Edition/Professional (Service Pack 3)

Macintosh

Mac OS X (version 10.4.11, 10.5.8, 10.6.5)

For information on the requirements for playing back high-definition movies, refer to “System Requirements” in the ViewNX 2 help information (📖 161).

Refer to the Nikon website for the latest information on operating system compatibility.

Note on Computer Connection

Disconnect other USB devices such as commercial USB chargers from the computer. Simultaneous connection of the camera and other USB devices to the computer could result in operation malfunction or excessive supply of power to the camera, causing damage to the camera or memory card. Refer to the documentation supplied with other USB devices for more information.

Connecting to a Computer

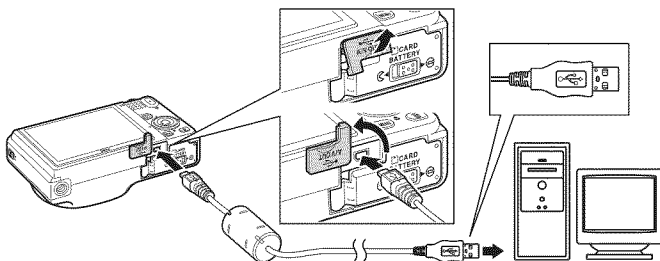
✓ Notes on Power Source

- When connecting the camera to a computer, use a battery with a sufficient amount of charge remaining to prevent the camera from turning off unexpectedly.
- When the camera is connected to a computer via the supplied USB cable with **Auto** (default setting) selected for the **Charge by computer** option in the setup menu, the battery inserted into the camera is automatically charged using power supplied by the computer (162, 187).
- If the AC Adapter EH-62F (197) (available separately) is used, COOLPIX S9100 can be powered from an electrical outlet. Do not use any other make or model of AC adapter as they may cause the camera to overheat or malfunction.

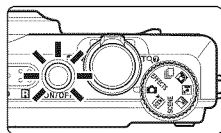
Transferring Images from a Camera to a Computer

- 1 Start the computer to which ViewNX 2 was installed.
- 2 Be sure that the camera is off.
- 3 Connect the camera to the computer using the supplied USB cable.

Be sure that connectors are properly oriented. Do not attempt to insert connectors at an angle, and do not use force when connecting or disconnecting the USB cable.



The camera is automatically turned on and the power-on lamp will light. The camera monitor will remain off.



✓ Connecting the USB Cable

The connection may not be recognized if the camera is connected to the computer via a USB hub.

4 Start the ViewNX 2 image transfer feature “Nikon Transfer 2” installed on the computer.

• Windows 7

When the **Devices and Printers** ► **S9100** screen is displayed, click **Change program** under **Import pictures and videos**. Select **Import File using Nikon Transfer 2** in the **Change program** dialog and click **OK**.
Double-click **Import File** on the **Devices and Printers** ► **S9100** screen.

• Windows Vista

When the **AutoPlay** dialog is displayed, click **Import File using Nikon Transfer 2**.

• Windows XP

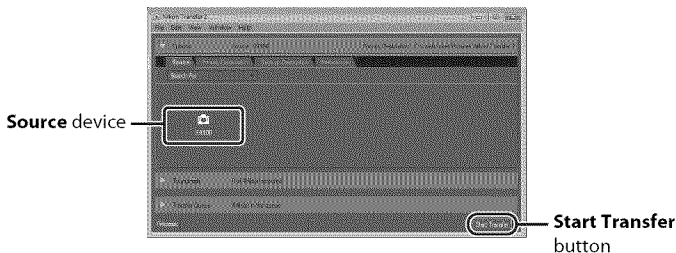
When the action selection dialog is displayed, select **Nikon Transfer 2 Import File**, and click **OK**.

• Mac OS X

Nikon Transfer 2 will start automatically when the camera is connected to the computer if **Yes** was selected in the **Auto-Launch setting** dialog when ViewNX 2 was first installed.

- See “Starting Nikon Transfer 2 Manually” (161) for more information.
- If charge for the battery inserted into the camera is low, the computer may not recognize the camera. If the camera is not recognized, images will not be transferred. When battery charging starts automatically using power supplied by the computer, wait until battery charge has reached a sufficient level to begin transfer.
- If there are a large number of images on the memory card, it may take some time for Nikon Transfer 2 to start.

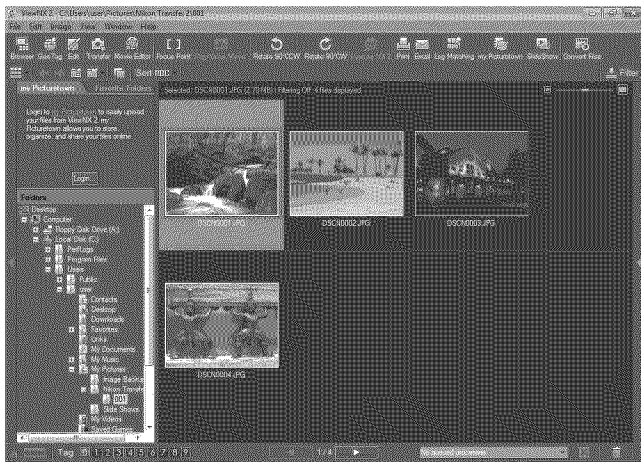
5 Confirm that the source device is displayed in the transfer options **Source** panel and click **Start Transfer**.



Any images that have not been transferred to the computer will be transferred (default setting of ViewNX 2).

Connecting to a Computer

When transfer is complete, the ViewNX 2 screen is displayed (ViewNX 2 default setting) and transferred images are displayed.



For more information on using ViewNX 2, refer to the ViewNX 2 help information (161).

Disconnecting the Camera

Do not turn off the camera or disconnect the camera from the computer during transfer.

When transfer is complete, turn off the camera and disconnect the USB cable.

The camera turns off automatically if there is no communication with the computer for 30 minutes while the camera is connected via the USB cable.

Charging the Battery

The charge lamp slowly blinks green while the battery inserted into the camera is charging (162).

Transferring Images Using a Computer's Card Slot or a Commercially-available Card Reader

When the memory card is inserted into a computer's card slot or into a commercially-available card reader, the images can be transferred using "Nikon Transfer 2", the image transfer feature of ViewNX 2.

- Make sure that the memory card being used is supported by the card reader or other card reading device.
- To transfer images, insert the memory card into the card reader or card slot and follow the procedure from step 4 (📖 159).
- To transfer images saved in the camera's internal memory, the images must first be copied to a memory card using the camera (📖 127).

Starting ViewNX 2 Manually

Windows

Choose **Start** menu > **All Programs** > **ViewNX 2** > **ViewNX 2**.

Double-clicking the **ViewNX 2** shortcut icon on the desktop will also start ViewNX 2.

Mac OS X

Open the **Applications** folder, open the **Nikon Software** > **ViewNX 2** folders in that order, and then double-click the **ViewNX 2** icon. Clicking the **ViewNX 2** icon on the Dock will also start ViewNX 2.

Starting Nikon Transfer 2 Manually

To start Nikon Transfer 2, first start ViewNX 2, and then click the **Transfer** icon at the top of the screen or select **Launch Transfer** from the **File** menu.

For More Information on Using ViewNX 2 and Nikon Transfer 2

For more information on ViewNX 2 or Nikon Transfer 2, start ViewNX 2 or Nikon Transfer 2 and select **ViewNX 2 Help** from the **Help** menu.

Panorama Creation with Panorama Maker 5

- Use a series of images captured in **Panorama assist** scene mode (📖 78) to create a single panorama photo with Panorama Maker 5.
- Panorama Maker 5 can be installed on a computer using the supplied ViewNX 2 CD.
- After installation is complete, follow the procedure described below to start Panorama Maker 5.

Windows

Choose **Start** menu > **All Programs** > **ArcSoft Panorama Maker 5** > **Panorama Maker 5**.

Mac OS X

Open **Applications** and double-click the **Panorama Maker 5** icon.

- For more information on using Panorama Maker 5, refer to the on-screen instructions and help information contained in Panorama Maker 5.

Image File Names and Folder Names

See "File and Folder Names" (📖 199) for more information.

Connecting to a Computer

Charging While Connecting to a Computer

When the **Charge by computer** option (📖 187) in the camera's setup menu is set to **Auto** (default setting), if the camera is connected to a computer using the USB cable, the battery inserted into the camera can be automatically charged depending on the ability of the computer to supply power.

See "Before Connecting the Camera" (📖 157) and "Transferring Images from a Camera to a Computer" (📖 158) for more information on connecting the camera to a computer.

Charge Lamp

The following chart explains charge lamp status when the camera is connected to a computer.

Charge lamp	Description
Blinks slowly (green)	Battery charging.
Off	Battery not charging. If the charge lamp changes from slow blinking (green) to off while the power-on lamp is lit, charging is complete.
Flickers (green)	<ul style="list-style-type: none"> The ambient temperature is not suited to charging. Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F). A USB cable is not correctly connected or the battery is faulty. Reconnect the USB cable correctly or replace the battery. Computer is in sleep mode and does not supply power. Reboot the computer. The battery cannot be charged as computer's specifications or settings does not support power supply to the camera.

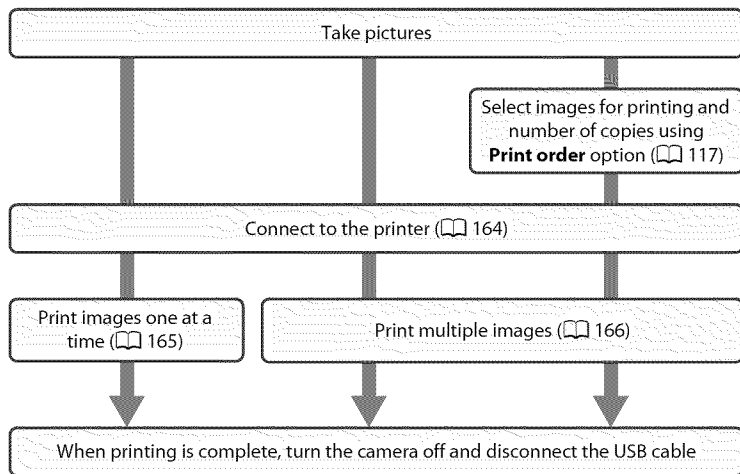
✓ Notes on Charging with Connection to a Computer

- The battery cannot be charged, nor can data be transferred, when the camera is connected to a computer before the camera's display language and date and time have been set (📖 20). If the camera's clock battery (📖 173) has been exhausted, the date and time must be reset before the battery can be charged or images can be transferred with connection to a computer. In this case, use the Charging AC Adapter EH-69P (📖 16) to charge the battery and then set the camera's date and time.
- If the camera is turned off, charging will also stop.
- If a computer enters sleep mode while charging, charging will stop and the camera may be turned off.
- When disconnecting the camera from a computer, turn the camera off and then disconnect the USB cable.
- It may take longer to charge the battery with connection to a computer than with charging using the Charging AC Adapter EH-69P. Charging time increases when images are transferred while the battery is charging.
- When the camera is connected to a computer, an application installed on the computer, such as Nikon Transfer 2, may start. If the camera was connected to the computer for the sole purpose of charging the battery, exit the application.
- The camera turns off automatically if there is no communication with the computer for 30 minutes after the battery has finished charging.
- Depending upon computer specifications, settings, and power supply and allocation, it may be impossible to charge the battery inserted into the camera via computer connection.

Connecting to a Printer

Users of PictBridge-compatible (📖 215) printers can connect the camera directly to the printer and print images without using a computer.

Follow the procedures below to print images.



✓ Notes on Power Source

- When connecting the camera to a printer, use a fully charged battery to prevent the camera from turning off unexpectedly.
- If the AC Adapter EH-62F (available separately) is used, COOLPIX S9100 can be powered from an electrical outlet. Do not use any other make or model of AC adapters as they may cause the camera to heat up or malfunction.

🔍 Printing Images

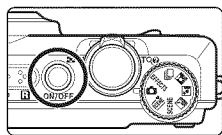
In addition to printing images transferred to a computer from your personal printer and printing over a direct camera-to-printer connection, the following options are also available for printing images saved on the memory card:

- Inserting a memory card into a DPOF-compatible printer's card slot
- Taking a memory card to a digital photo lab

For printing using these methods, specify the images and the number of prints each to the memory card using the **Print order** option in the playback menu (📖 117).

Connecting the Camera to a Printer

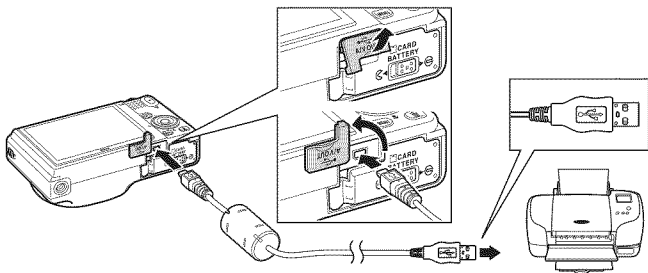
- 1 Turn off the camera.



- 2 Turn on the printer.
Check printer settings.

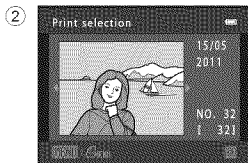
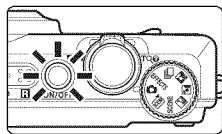
- 3 Connect the camera to the printer using the supplied USB cable.

Be sure that connectors are properly oriented. Do not attempt to insert connectors at an angle, and do not use force when connecting or disconnecting the USB cable.



- 4 The camera is automatically turned on.

When properly connected, the **PictBridge** startup screen (①) will be displayed in the camera monitor, followed by the **Print selection** screen (②).



✓ If the PictBridge Startup Screen Is Not Displayed

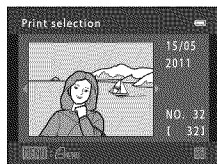
Turn the camera off and disconnect the USB cable. Set the **Charge by computer** option (📖 187) in the camera's setup menu to **Off** and reconnect the cable.

Printing Images One at a Time

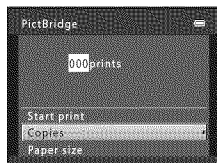
After properly connecting the camera to the printer (164), follow the procedures described below to print an image.

- 1 Use the rotary multi selector to choose the desired image and press the **OK** button.

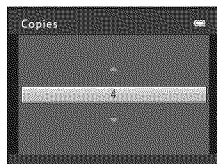
Rotate the zoom control to **W** (16) to display 12 thumbnails, and **T** (17) to switch back to full-frame playback.



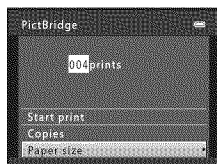
- 2 Choose **Copies** and press the **OK** button.



- 3 Choose the desired number of copies (up to nine) and press the **OK** button.

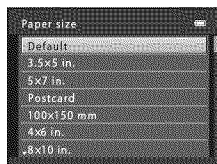


- 4 Choose **Paper size** and press the **OK** button.

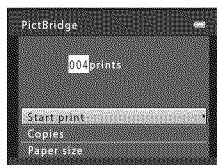


- 5 Choose the desired paper size and press the **OK** button.

To specify paper size using settings on the printer, choose **Default** in the paper size option.



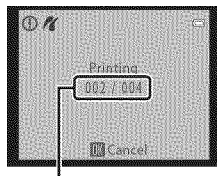
- 6** Choose **Start print** and press the **OK** button.



- 7** Printing begins.

Monitor display returns to the screen shown in step 1 when printing is complete.

To cancel printing before all copies have been printed, press the **OK** button.



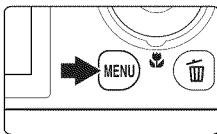
Current number of copies/
total number of copies

Printing Multiple Images

After properly connecting the camera to the printer (164), follow the procedures described below to print multiple images.

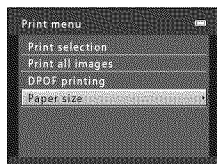
- 1** When the **Print selection** screen is displayed, press the **MENU** button.

The **Print menu** screen is displayed.



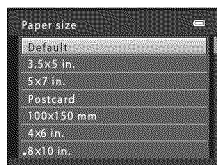
- 2** Use the rotary multi selector to choose **Paper size** and press the **OK** button.

To exit the print menu, press the **MENU** button.

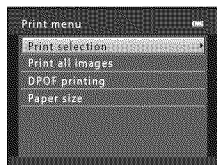


- 3** Choose the desired paper size and press the **OK** button.

To specify paper size using settings on the printer, choose **Default** in the paper size option.



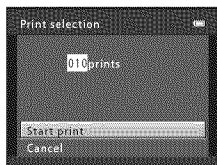
- 4** Choose **Print selection**, **Print all images**, or **DPOF printing** and press the **OK** button.



Print selection

Choose images (up to 99) and the number of copies (up to nine) of each.

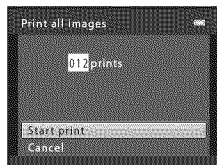
- Rotate the rotary multi selector, or press **◀** or **▶** to select images, and press **▲** or **▼** to specify the number of copies to be printed.
- Images selected for printing can be identified by the check mark (✓) and the numeral indicating the number of copies to be printed. If no copies have been specified for images, the selection is canceled.
- Rotate the zoom control to **T** (Q) to switch back to full-frame playback or **W** (R) to display 12 thumbnails.
- Press the **OK** button when setting is complete.
- When the screen shown on the right is displayed, choose **Start print** and press the **OK** button to start printing. Choose **Cancel** and press the **OK** button to return to the print menu.



Print all images

One copy each of all images saved in the internal memory, or on the memory card, is printed.

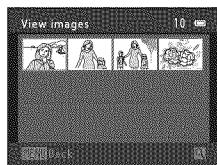
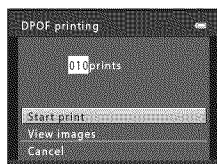
- When the screen shown on the right is displayed, choose **Start print** and press the **OK** button to start print. Choose **Cancel** and press the **OK** button to return to the print menu.



DPOF printing

Print images for which a print order was created using the **Print order** option (117).

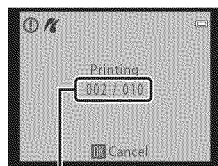
- When the screen shown on the right is displayed, choose **Start print** and press the **OK** button to start printing. Choose **Cancel** and press the **OK** button to return to the print menu.
- To view the current print order, choose **View images** and press the **OK** button. To print images, press the **OK** button again.



5 Printing begins.

Monitor display returns to the screen shown in step 2 when printing is complete.

To cancel printing before all copies have been printed, press the **OK** button.



Current number of copies/
total number of copies

Paper Size

The camera supports the following paper sizes: **Default** (the default paper size for the printer connected to the camera), **3.5x5 in.**, **5x7 in.**, **100x150 mm**, **4x6 in.**, **8x10 in.**, **Letter**, **A3**, and **A4**. Only sizes supported by the printer will be displayed.

Setup Menu

The setup menu contains the following options.

Welcome screen	171
Choose whether or not a welcome screen is displayed when the camera is turned on.	
Time zone and date	172
Set camera clock and choose home and destination time zones.	
Monitor settings	175
Adjust photo information display, image review, and monitor brightness settings.	
Print date	177
Imprint shooting date and time on images.	
Vibration reduction	178
Choose whether or not vibration reduction is enabled.	
Motion detection	180
Enable or disable motion detection, which reduces the effects of subject movement and camera shake in still images.	
AF assist	181
Enable or disable AF-assist illuminator.	
Digital zoom	182
Enable or disable digital zoom.	
Sound settings	183
Adjust sound settings.	
Auto off	184
Set the amount of time that passes before the monitor turns off to save power.	
Format memory/Format card	185
Format internal memory or memory card.	
Language	186
Choose the language used for camera monitor display.	
TV settings	186
Adjust settings necessary for connection to television.	
Charge by computer	187
Choose whether or not to charge the camera battery when connecting to a computer via the USB cable.	
Blink warning	188
Specify whether or not the camera detects human faces that have blinked with shooting using face detection.	

Reset all

190

Restore camera settings to default values.

Firmware version


193

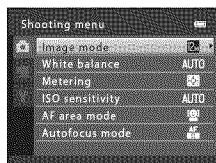
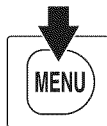
Display camera firmware version.

Displaying the Setup Menu

1 Press the **MENU** button.

The menu is displayed.

If the **MENU** button was pressed in  (scene auto selector), press the rotary multi selector (11) ◀ to display the tabs.

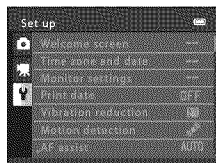


2 Press the rotary multi selector ◀.

Tab selection is activated.



3 Press ▲ or ▼ to choose the **Y** tab.

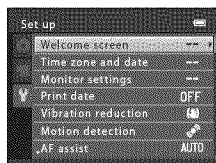


4 Press ► or the **OK** button.


The setup menu items can be selected.

Use the rotary multi selector to choose and apply settings (11).

To exit the setup menu, press the **MENU** button or ◀ to select a different tab.



Welcome Screen

MENU button →  (Setup menu) (📖 170) → Welcome screen

Choose whether or not a welcome screen is displayed when the camera is turned on.

None (default setting)


The camera enters shooting or playback mode without displaying the welcome screen.

COOLPIX

The camera displays a welcome screen and enters shooting or playback mode.

Select an image

Displays an image selected for the welcome screen. When the image selection screen is displayed, select an image (📖 123) and press the  button.

- As the selected image is saved by the camera, it will be displayed when the camera is turned on even if the original image is deleted.
- Images captured at an **Image mode** (📖 47) setting of  **3968×2232**, images captured using easy panorama, copies created at a size of 320 × 240 or smaller using the small picture (📖 138) or crop (📖 139) function, and still images saved while recording high-definition or Full HD movies (📖 142) cannot be selected.

Time Zone and Date

MENU button → Y (Setup menu) (170) → Time zone and date

Set the camera clock.

Date and time

Set camera clock to current date and time.

Use the rotary multi selector to set the date and time in the date screen.

- Select an item: Press ► or ◀ (changes between **D**, **M**, **Y**, **hour**, **minute**).
- Edit the highlighted item: Rotate the rotary multi selector or press ▲ or ▼.
- Apply the setting: Select the minute setting and press the OK button.



Date format

The available date formats are **Year/Month/Day**, **Month/Day/Year**, and **Day/Month/Year**.

Time zone

🏠 **Home time zone** can be specified and daylight saving time is enabled or disabled. When the travel destination (📍) is selected, local time (174) is automatically calculated and images are saved with the shooting date and time of the selected region. This can be useful when travelling.

Selecting Travel Destination Time Zone

- 1 Use the rotary multi selector to choose **Time zone** and press the OK button.

The **Time zone** screen is displayed.



- 2 Choose 📍 **Travel destination** and press the OK button.

The date and time displayed in the monitor changes according to the region currently selected.



3 Press ►.

The travel destination screen is displayed.



4 Press ◀ or ▶ to choose the travel destination time zone.

If daylight saving time is in effect, press ▲ to enable daylight saving time function. ☀ is displayed at the top of the monitor and the camera clock is advanced one hour. Press ▼ to disable the daylight saving time function.

Press the OK button to apply the travel destination time zone.

While the travel destination time zone is selected, the 🗺 icon will be displayed in the monitor when the camera is in shooting mode.



✓ Clock Battery

The camera clock is powered by the clock battery. The clock battery charges when the main battery is inserted or an AC adapter is connected, and can provide several days of backup power after about ten hours of charging.

🏠 Home Time Zone

- To switch to the home time zone, choose 🏠 **Home time zone** in step 2 and press the OK button.
- To change the home time zone, choose 🏠 **Home time zone** in step 2, and complete steps 3 and 4.

🕒 Daylight Saving Time

When daylight saving time starts or ends, turn the daylight saving time function on or off from the time zone selection screen displayed in step 4.

📷 Imprinting Date on Images

Enable print date from the **Print date** option (📖 177) in the setup menu after the date and time have been set. When the **Print date** option is enabled, images will be saved with shooting date imprinted on them.



Time Zones

The camera supports the time zones listed below.

For time zones not listed below, set the camera clock to local time from the **Date and time** option.

UTC +/-	Location	UTC +/-	Location
-11	Midway, Samoa	+1	Madrid, Paris, Berlin
-10	Hawaii, Tahiti	+2	Athens, Helsinki, Ankara
-9	Alaska, Anchorage	+3	Moscow, Nairobi, Riyadh, Kuwait, Manama
-8	PST (PDT): Los Angeles, Seattle, Vancouver	+4	Abu Dhabi, Dubai
-7	MST (MDT): Denver, Phoenix	+5	Islamabad, Karachi
-6	CST (CDT): Chicago, Houston, Mexico City	+5.5	New Delhi
-5	EST (EDT): New York, Toronto, Lima	+6	Colombo, Dhaka
-4.5	Caracas	+7	Bangkok, Jakarta
-4	Manaus	+8	Beijing, Hong Kong, Singapore
-3	Buenos Aires, Sao Paulo	+9	Tokyo, Seoul
-2	Fernando de Noronha	+10	Sydney, Guam
-1	Azores	+11	New Caledonia
±0	London, Casablanca	+12	Auckland, Fiji

Monitor Settings

MENU button →  (Setup menu) ( 170) → Monitor settings

Set the options below.

Photo info


Choose information displayed in the monitor during shooting and playback mode. → ( 176)

Image review

On (default setting): The captured image is displayed immediately after shooting, and then the camera returns to the shooting screen.


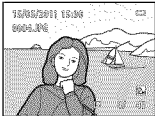


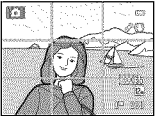

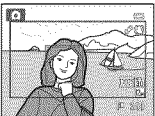
Off: The captured image is not displayed after shooting.

Brightness

Choose from five settings for monitor brightness. The default setting is **3**.

Photo Info

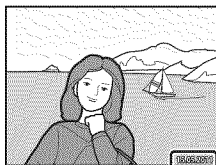
Select whether or not the photo information is displayed in the monitor.
See “The Monitor” (6) for information on indicators displayed in the monitor.

	Shooting mode	Playback mode
Show info		
Auto info (default setting)	The same information as in Show info is displayed. If no operations are performed after a few seconds, the display will be the same as Hide info . The information is displayed again when an operation is performed.	
Hide info		
Framing grid+auto info	 In addition to information shown with Auto info above, a framing grid is displayed to help frame pictures. It is not displayed when recording movies.	 The same information as in Auto info is displayed.
Movie frame+auto info	 In addition to information shown with Auto info above, a frame is displayed before recording begins that represents the area that will be captured when recording movies. Depending on the combination of the Image mode setting for still images and the Movie options setting for movies, the size of the movie frame may vary greatly.	The same information as in Auto info is displayed.

Print Date (Imprinting Date and Time)

MENU button →  (Setup menu) (170) → Print date

The shooting date and time can be imprinted on the images with shooting, allowing the information to be printed even from printers that do not support date printing (120).



Date

Date is imprinted on images.

Date and time






Date and time are imprinted on images.

Off Off (default setting)

Date and time are not imprinted on images.

The icon for the current setting is displayed in the monitor during shooting (6). However, when **Off** is selected, no icon is displayed.


Notes on Print Date

- Imprinted dates form a permanent part of image data and cannot be deleted. The date and time cannot be imprinted on images after they have been captured.
- The date cannot be imprinted in the following situations:
 - When using the  (night landscape) (when **Hand-held** is selected),  (night portrait) (when **Hand-held** is selected),  (backlighting) (when **HDR** is set to **On**), **Sports**, **Museum**, **Panorama**, or **Pet portrait** (when **Continuous** is selected) scene mode
 - When using continuous shooting mode (except multi-shot 16)
 - When shooting movies
 - When the image is a still image saved during movie recording
- Dates imprinted at an **Image mode** setting (147) of  **640×480** may be difficult to read. Choose an **Image mode** setting of  **1024×768** or higher when using print date.
- The date is saved using the format selected in the setup menu's **Time zone and date** option (20, 172).

Print Date and Print Order

When printing from DPOF-compatible printers that support the printing of shooting date and shooting information, the date and information can be printed without imprinting this information on them using settings in the **Print order** option (117).

Vibration Reduction

MENU button →  (Setup menu) (📖 170) → Vibration reduction

Choose a vibration reduction option for shooting still images.

Vibration reduction effectively reduces blur, caused by slight hand movement known as camera shake, which commonly occurs when shooting with the camera zoomed in or at slow shutter speeds.

Set **Vibration reduction** to **Off** when shooting still images while using a tripod to stabilize the camera.

On (hybrid)

The effects of camera shake are corrected optically using an image sensor shift method, and electronic vibration reduction is also used in the following situations to process images:

- When the flash does not fire
- When the shutter speed is slower than 1/60 seconds
- When **Self-timer** is disabled
- When ISO sensitivity is 200 or lower

On (default setting)

An image sensor shift method is used to reduce the effects of camera shake when capturing still images.

Camera automatically detects the panning direction and only corrects for vibration due to camera shake. When the camera is panned, for example, vibration reduction reduces only vertical shake. If the camera is tilted, vibration reduction affects only horizontal shake.

OFF Off

Vibration reduction is not enabled.

The current vibration reduction setting can be confirmed in the camera monitor with shooting (📖 6, 25, 140). When **Off** is selected, no icon is displayed.

Vibration Reduction for Movies


Vibration reduction for movie recording can be set with **Electronic VR** (📖 151) in the movie menu (📖 146).

Notes on Vibration Reduction

- Vibration reduction may take a few seconds to activate after the power is turned on, or the camera enters shooting mode from playback mode. Wait until the image of the monitor stabilizes before shooting.
- Due to characteristics of the vibration reduction function, images displayed in the camera's monitor immediately after shooting may be displayed blurry.
- Vibration reduction may be unable to completely eliminate the effects of camera shake in some situations.
- When the **Night landscape** or **Night portrait** scene modes are set to **Tripod**, vibration reduction is turned off.
- When recording HS movies, vibration reduction cannot be used.
- When **On (hybrid)** is selected, electronic vibration reduction may not be able to correct the image if vibrations are very small or very large.
- When **On (hybrid)** is selected, electronic vibration reduction is disabled if shutter speed is fast or very slow.
- When electronic vibration reduction is operating while **On (hybrid)** is selected, the shutter is released twice for each shot and then the image is corrected, therefore more time is needed to save images. The **Shutter sound** (🔊 183) is heard only once. One image is saved.



Motion Detection





MENU button →  (Setup menu) (📖 170) → Motion detection

Enable motion detection to reduce the effects of subject movement and camera shake when shooting still images.

Auto (default setting)

When the camera detects subject movement or camera shake, the ISO sensitivity and shutter speed are automatically increased to reduce blurring.

However, motion detection does not function in the following situations.

- When the flash mode is set to fill-flash
- In  (auto) mode, when **ISO sensitivity** (📖 52) is set to any setting other than **Auto**
- In the following scene modes:
 -  (night landscape) (📖 64)
 -  (night portrait) (📖 65)
 -  (backlighting) (📖 66)
 - **Sports** (📖 68), **Dusk/dawn** (📖 70), **Museum** (📖 72), **Fireworks show** (📖 72), **Panorama** (when **Easy panorama** is selected) (📖 73), **Pet portrait** (📖 74)
- **AF area mode** is in subject tracking (📖 58)
- In continuous shooting mode (📖 80)

OFF off

Motion detection is not enabled.

The current motion detection setting can be confirmed in the camera monitor with shooting (📖 6, 25). The motion detection icon turns green when the camera detects camera shake and increases shutter speed. When **Off** is selected, no icon is displayed.

Notes on Motion Detection

- Motion detection may be unable to completely eliminate the effects of subject movement and camera shake in some situations.
- Motion detection may not function if the subject exhibits significant movement or is too dark.
- The images captured using motion detection may be somewhat “grainy” in appearance.

AF Assist

MENU button →  (Setup menu) (📖 170) → AF assist

Enable or disable AF-assist illuminator, which assists autofocus operation when the subject is dimly lit.

Auto (default setting)


AF-assist illuminator will be used to assist the focus operation when the subject is dimly lit. The illuminator has a range of about 5.0 m (16 ft.) at the maximum wide-angle position and about 4.0 m (13 ft.) at the maximum telephoto position.

Note that for some scene modes or focus areas even when **Auto** is selected, AF-assist illuminator may not light.

Off


AF-assist illuminator does not light. The camera may be unable to focus under dim lighting.

Digital Zoom


MENU button →  (Setup menu) (📖 170) → Digital zoom



Enable or disable digital zoom.

ON On (default setting)

When the camera is zoomed in to the maximum optical zoom position, rotating the zoom control to **T** () triggers digital zoom (📖 27).

Crop

The zoom magnification is limited to the zoom position where  is displayed (except when recording movies). The zoom magnification is limited to the range in which the digital zoom does not cause deterioration in the quality of still images.






The digital zoom is not available when the image size is  **4000×3000** ★,  **3968×2232**.

When recording movies, the camera performs the same as when **On** is selected.


OFF Off

Digital zoom will not be activated.

Notes on Digital Zoom

- When digital zoom is in effect, the camera focuses at the center of the frame.
- Digital zoom cannot be used in the following situations.
 - When using the scene auto selector,  (night landscape),  (night portrait),  (backlighting) (when **HDR** is set to **On**), **Portrait**, **Panorama** (when **Easy panorama** is selected), and **Pet portrait** scene modes
 - When **AF area mode** is set to subject tracking
 - When continuous shooting mode is set to **Multi-shot 16**
 - When using  (smile timer)
- While digital zoom is in effect, metering is automatically set to center-weighted metering or spot metering (the area in the center of the monitor is metered).
- If the  (movie-record) button is pressed while shooting still images at the crop zoom position, a movie is also recorded with the digital zoom at the zoom position used when shooting still images.

Sound Settings

MENU button →  (Setup menu) (170) → Sound settings

Adjust the following sound settings.

Button sound

Select **On** (default setting) or **Off**. When **On** is selected, a beep will sound once when operations are completed successfully, twice when the camera acquires focus on the subject, and three times when an error is detected. Start-up sound will also play when the camera is turned on.

Shutter sound


Select **On** (default setting) or **Off**.
However, when shooting with continuous shooting mode or when a still image is saved while recording a movie, the shutter sound is not heard even when set to **On**.

Note on Sound Settings

Button sounds and the shutter sound are not heard when using the **Pet portrait** scene mode.


Auto Off

MENU button →  (Setup menu) ( 170) → Auto off

If no operations are performed for a specified amount of time, the monitor turns off and the camera enters standby mode ( 19).

Choose the time allowed to elapse before the camera enters standby mode from **30 s**, **1 min** (default setting), **5 min**, and **30 min**.

When the Monitor Has Turned Off to Save Power



- When the camera is in standby mode, the power-on lamp blinks.
- If no operations are performed for another three minutes, the camera will turn off automatically.
- When the power-on lamp is blinking, the following operations will turn the monitor back on.
 - Pressing the power switch, shutter-release button,  button, or  (movie-record) button.
 - Rotating the mode dial.

Auto Off

The time allowed to elapse before the camera enters standby mode is fixed in the following situations:

- While menus are displayed: 3 minutes
- During slide show playback: up to 30 minutes
- When the AC Adapter EH-62F is connected: 30 minutes

Format Memory/Format Card

MENU button →  (Setup menu) ( 170) → Format memory/Format card

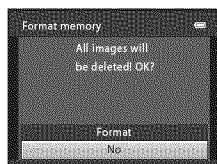
Use this option to format the internal memory or a memory card.

Formatting the internal memory or memory cards permanently deletes all data. Data that has been deleted cannot be restored. Be sure to transfer important images to a computer before formatting.

Formatting the Internal Memory

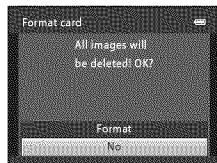
To format the internal memory, remove the memory card from the camera.

The **Format memory** option is displayed in the setup menu.




Formatting a Memory Card

When a memory card is inserted in the camera, the **Format card** option is displayed in the setup menu.



Notes on Formatting Internal Memory and Memory Cards

- Album icon settings ( 106) are reset to their default settings (number icons) when the internal memory or memory card is formatted.
- Do not turn the camera off or open the battery-chamber/memory card slot cover during formatting.
- Be sure to use this camera to format memory cards previously used in other devices the first time they are inserted into the COOLPIX S9100.

Language

MENU button →  (Setup menu) (170) → Language

Choose one of 26 languages for display of camera menus and messages.

Čeština	Czech
Dansk	Danish
Deutsch	German
English	(default setting)
Español	Spanish
Ελληνικά	Greek
Français	French
Indonesia	Indonesian
Italiano	Italian
Magyar	Hungarian
Nederlands	Dutch
Norsk	Norwegian
Polski	Polish

Português	Portuguese
Русский	Russian
Română	Romanian
Suomi	Finnish
Svenska	Swedish
Türkçe	Turkish
Українська	Ukrainian
عربي	Arabic
简体中文	Simplified Chinese
繁體中文	Traditional Chinese
日本語	Japanese
한국	Korean
ภาษาไทย	Thai

TV Settings

MENU button →  (Setup menu) (170) → TV settings

Adjust settings for connection to a television.

Video mode

Choose from **NTSC** and **PAL**.

HDMI

Choose an image resolution for HDMI output from **Auto** (default setting), **480p**, **720p**, or **1080i**. When **Auto** is selected, the option best suited to the high-definition TV to which the camera is connected is automatically selected from **480p**, **720p**, or **1080i**.

HDMI device control



Select whether or not the camera can receive signals from a TV that supports the HDMI-CEC standard when is connected to the TV via HDMI. When **On** (default setting) is selected, the TV's remote control can be used to control the camera during playback. → "Using a TV Remote Control (HDMI Device Control)" (156)




HDMI and HDMI-CEC

HDMI (High-Definition Multimedia Interface) is a multimedia interface. HDMI-CEC (HDMI-Consumer Electronics Control) allows compatible devices to inter-operate.

Charge by Computer

MENU button →  (Setup menu) ( 170) → Charge by computer

Choose whether or not the battery inserted into the camera is charged when the camera is connected to a computer via the USB cable ( 162).

Auto (default setting)

When the camera is connected to a computer that is running, the battery inserted into the camera is automatically charged using power supplied by the computer.


Off

The battery inserted into the camera is not charged when the camera is connected to a computer.



Notes on Connecting the Camera to a Printer

- The battery cannot be charged with connection to a printer, even if the printer complies with the PictBridge standard.
- When **Auto** is selected for **Charge by computer**, it may be impossible to print images with direct connection of the camera to some printers. If the PictBridge startup screen is not displayed in the monitor after the camera is connected to a printer and turned on, turn the camera off and disconnect the USB cable. Set **Charge by computer** to **Off** and reconnect the camera to the printer.

Blink Warning

MENU button →  (Setup menu) (📖 170) → Blink warning

Specify whether or not the camera detects human subjects that have blinked using face detection (📖 56) when shooting in the following modes.

-  (auto) mode (when **Face priority** (📖 53) is selected for AF area mode option).
- In the following scene modes:
 - Scene auto selector (📖 62)
 -  (night portrait) (📖 65)
 - **Portrait** (📖 67)

On

When the camera detects that one or more human subjects may have blinked in an image captured using face detection, the **Did someone blink?** screen is displayed in the monitor.

The face of the human subject that may have closed his/her eyes is framed by a yellow border. Should this occur, check the image and determine whether or not another image should be captured.

See "Operating the Blink Warning Screen" (📖 189) for more information.

Off (default setting)

Blink warning is not enabled.

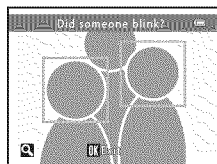
Note on Blink Warning

Blink warning does not function when using continuous shooting mode or smile timer (📖 37).

Operating the Blink Warning Screen

When the **Did someone blink?** screen shown on the right is displayed in the monitor, the operations described below are available.

If no operations are performed within a few seconds, the camera automatically returns to shooting mode.



Function	Control	Description
Enlarge the detected face that blinked	T (Q)	Rotate the zoom control to T (Q).
Switch to full-frame playback mode	W (Q)	Rotate the zoom control to W (Q).
Select the face to be displayed		If the camera detects that more than one human subject blinked, press ◀ or ▶ to switch the display to another face.
Delete the image		Press the button.
Switch to shooting mode		Press the button or shutter-release button.

Reset All


MENU button → Y (Setup menu) (📖 170) → Reset all

When **Reset** is selected, the camera's settings will be restored to their default values.

Basic Shooting Functions

Option	Default value
Flash mode (📖 32)	Auto
Self-timer (📖 35)	Off
Macro mode (📖 39)	Off
Creative slider adjustment (📖 41)	Off
Exposure compensation (📖 43, 44)	0.0

Shooting Menu

Option	Default value
Image mode (📖 47)	 4000x3000
White balance (📖 49)	Auto
Metering (📖 51)	Matrix
ISO sensitivity (📖 52)	Auto
AF area mode (📖 53)	Face priority
Autofocus mode (📖 60)	Single AF

Scene Mode

Option	Default value
Scene menu (📖 61)	Portrait
Hue adjustment in Food mode (📖 71)	Center
Panorama (📖 73)	Easy panorama (Normal (180°))
Pet portrait (📖 74)	Continuous

Night landscape Menu

Option	Default value
Night landscape (📖 64)	Hand-held

Night Portrait Menu

Option	Default value
Night portrait (📖 65)	Tripod

Backlighting Menu

Option	Default value
HDR (📖 66)	Off

Continuous Shooting Menu

Option	Default value
Continuous (📖 82)	Continuous H

Special Effects Menu

Option	Default value
Special effects (📖 85)	Soft

Movie Menu

Option	Default value
Movie options (📖 148)	HD 1080p★ (1920×1080)
Open with HS footage (📖 143)	On
Autofocus mode (📖 150)	Single AF
Electronic VR (📖 151)	On
Wind noise reduction (📖 151)	Off

Setup Menu

Option	Default value
Welcome screen (📖 171)	None
Photo info (📖 175)	Auto info
Image review (📖 175)	On
Brightness (📖 175)	3
Print date (📖 177)	Off

Option	Default value
Vibration reduction (📖 178)	On
Motion detection (📖 180)	Auto
AF assist (📖 181)	Auto
Digital zoom (📖 182)	On
Button sound (📖 183)	On
Shutter sound (📖 183)	On
Auto off (📖 184)	1 min
HDMI (📖 186)	Auto
HDMI device control (📖 186)	On
Charge by computer (📖 187)	Auto
Blink warning (📖 188)	Off

Others

Option	Default value
Paper size (📖 165, 166)	Default
Frame interval for Slide show (📖 121)	3 s

- Selecting **Reset all** also clears the current file number (📖 199) from memory. Numbering will continue from the lowest number available. To reset file numbering to "0001," delete all images saved in the internal memory or on the memory card (📖 31) before selecting **Reset all**.
- The following menu settings will remain unaffected when menus are reset with **Reset all**.

Shooting menu:

Preset manual data (📖 50) acquired for **White balance**



Playback menu:

Sequence display options (📖 129), **Choose key picture** (📖 129)

Setup menu:

Time zone and date (📖 172), **Language** (📖 186), **Video mode** under **TV settings** (📖 186)

Firmware Version

MENU button →  (Setup menu) ( 170) → Firmware version

View the current camera firmware version.



Maximizing Camera Life and Performance

To ensure continued enjoyment of this Nikon product, observe the following precautions when using or storing the device.

Keep dry

The device will be damaged if immersed in water or subjected to high humidity.

Do not drop

The product may malfunction if subjected to strong shock or vibration.

Handle the lens and all moving parts with care

Do not apply force to the lens, lens cover, monitor, memory card slot, or battery chamber. These parts are easily damaged. Applying force to the lens cover could result in camera malfunction or damage to the lens. Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent the liquid crystal from the display touching the skin or entering the eyes or mouth.

Do not point the lens at strong light sources for extended periods

Avoid pointing the lens at the sun or other strong light sources for extended periods when using or storing the camera. Intense light may cause deterioration of the CCD image sensor, producing a white blur effect in photographs.

Keep away from strong magnetic fields

Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields. Strong static charge or the magnetic fields produced by equipment such as radio transmitters could interfere with the monitor, damage data saved on the memory card, or affect the product's internal circuitry.

Avoid sudden changes in temperature

Sudden changes in temperature, such as when entering or leaving a heated building on a cold day, can cause condensation to form inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

Turn the product off before removing or disconnecting the power source

Do not remove the battery while the product is on, or while images are being saved or deleted. Forcibly cutting power in these circumstances could result in loss of data or in damage to product memory or internal circuitry.






The Battery

- Check the battery level before using the camera and replace or charge the battery if necessary. Do not continue charging once the battery is fully charged as this will result in reduced battery performance. Whenever possible, carry a fully charged spare battery when taking pictures on important occasions.
- Do not use the battery at ambient temperatures below 0°C (32°F) or above 40°C (104°F).
- Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F) before use.
- When charging the COOLPIX S9100 using the Charging AC adapter EH-69P or a computer, the charge capacity may decrease at ambient temperatures 45°C to 60°C (113°F to 140°F).
- The battery is not charged at ambient temperatures below 0°C (32°F) or above 60°C (140°F).
- Note that the battery may become hot during use; wait for the battery to cool before charging. Failure to observe these precautions could damage the battery, impair its performance, or prevent it from charging normally.
- On cold days, the capacity of batteries tends to decrease. Be sure that the battery is fully charged before heading outside to take pictures in cold weather. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.
- Dirt on the battery terminals can prevent the camera from functioning. Should the battery terminals become dirty, wipe them off with a clean, dry cloth before use.
- If the battery will not be used for some time, insert it in the camera and run it flat before removing it for storage. The battery should be stored in a cool location with an ambient temperature of 15 to 25°C (59 to 77°F). Do not store the battery in hot or extremely cold locations.
- Always remove the battery from the camera or optional battery charger when it is not being used. When inserted, minute amounts of current are drawn from the battery even when not in use. This may result in excessive draining of the battery and complete loss of function. Turning the camera on or off while the battery is exhausted can result in reduced battery life.
- Recharge the battery at least once every six months and completely exhaust it before returning it to storage.
- After removing the battery from the camera or optional battery charger, replace the supplied terminal cover and store in a cool place.
- A marked drop in the time a fully-charged battery retains its charge, when used at room temperature, indicates that the battery needs to be replaced. Purchase a new EN-EL12 battery.
- Replace the battery when it no longer holds a charge. Used batteries are a valuable resource. Please recycle used batteries in accordance with local regulations.



Cleaning

 <p>Lens</p>	<p>Avoid touching glass parts with your fingers. Remove dust or lint with a blower (typically a small device with a rubber bulb attached to one end that is pumped to produce a stream of air out the other end). To remove fingerprints or other stains that cannot be removed with a blower, wipe the lens with a soft cloth, using a spiral motion that starts at the center of them and working toward the edges. If this fails, clean the lens using a cloth lightly dampened with commercial lens cleaner.</p>
 <p>Monitor</p>	<p>Remove dust or lint with a blower. To remove fingerprints and other stains, clean the monitor with a soft, dry cloth, being careful not to apply pressure.</p>
 <p>Body</p>	<p>Use a blower to remove dust, dirt, or sand, then wipe gently with a soft, dry cloth. After using the camera at the beach or other sandy or dusty environment, wipe off any sand, dust, or salt with a dry cloth lightly dampened with fresh water and dry thoroughly. Note that foreign matter inside the camera could cause damage not covered by the warranty.</p>

Do not use alcohol, thinner, or other volatile chemicals.

Storage

Turn the camera off when not in use. Be sure that the power-on lamp is off before putting the camera away. Remove the battery if the camera will not be used for an extended period. Do not store the camera with naphtha or camphor moth balls, or in any of the following locations:

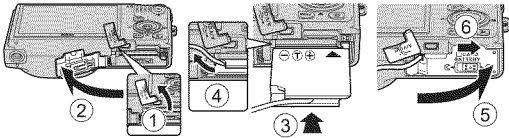
- Next to equipment that produces strong electromagnetic fields, such as televisions or radios
- Exposed to temperatures below -10°C (14°F) or above 50°C (122°F)
- Places that are poorly ventilated or subject to humidity of over 60%

To prevent mold or mildew, take the camera out of storage at least once a month. Turn the camera on and release the shutter a few times before putting the camera away again.

Notes on the Monitor

- The monitor may contain a few pixels that are always lit or that do not light. This is a characteristic common to all TFT LCD displays, and does not indicate a malfunction. Images saved using the product will not be affected.
- Images in the monitor may be difficult to see under bright lighting.
- The monitor is lit by an LED backlight. Should the monitor begin to dim or flicker, contact your Nikon-authorized service representative.

Optional Accessories

Rechargeable battery	Rechargeable Li-ion Battery EN-EL12 ¹
Charging AC adapter	Charging AC Adapter EH-69P ^{1, 2}
Battery charger	Battery Charger MH-65
AC adapter	<p>AC Adapter EH-62F (connect as shown)</p>  <p>Be sure that the power connector cord has been properly aligned in power connector and battery chamber grooves before closing the battery-chamber/memory card slot cover. If part of the cord runs out of the grooves, the cover or cord may be damaged when the cover is closed.</p>
USB cable	USB Cable UC-E6 ¹
Audio/video cable	Audio Video Cable EG-CP16 ¹

¹ Supplied with camera at time of purchase (see page 3 of the *Quick Start Guide*).

² When using in other countries, use a plug adapter (commercially available) as necessary. For more information about plug adapters, consult your travel agency.

Approved Memory Cards

The following Secure Digital (SD) memory cards have been tested and approved for use in this camera.

Memory cards with an SD Speed Class rating of 6 or faster are recommended for recording movies. Movie recording may stop unexpectedly when memory cards with a lower Speed Class rating are used.

	SD memory card	SDHC memory card ²	SDXC memory card ³
SanDisk	2 GB ¹	4 GB, 8 GB, 16 GB, 32 GB	64 GB
TOSHIBA	2 GB ¹	4 GB, 8 GB, 16 GB, 32 GB	64 GB
Panasonic	2 GB ¹	4 GB, 8 GB, 12 GB, 16 GB, 24 GB, 32 GB	48 GB, 64 GB
Lexar	2 GB ¹	4 GB, 8 GB, 16 GB, 32 GB	—

¹ If the memory card will be used with a card reader or similar device, check that device supports 2 GB cards.

² SDHC compliant.

If the memory card will be used with a card reader or similar device, check that device supports SDHC.



³ SDXC compliant.

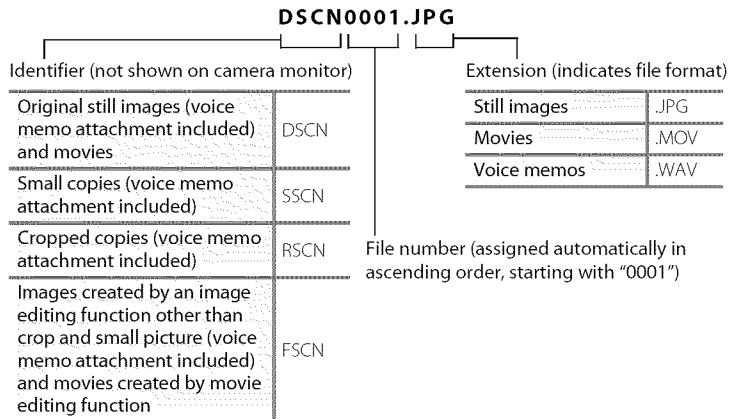
If the memory card will be used with a card reader or similar device, check that device supports SDXC.






- Contact the manufacturer for details on the above cards.

File and Folder Names











Images, movies, or voice memos are assigned file names as follows.




- Files are saved in folders named with a folder number followed by an identifier: "P_" plus a three-digit sequential number for images captured in **Panorama assist** scene mode (e.g. "101P_001";  78) and "NIKON" for all other images (e.g. "100NIKON"). When the number of files within a folder reaches 9999, a new folder will be created. File numbers will be assigned automatically starting with "0001."
- Voice memo file names have the same identifier and file number as the image to which the voice memo is attached.
- Files copied using **Copy>Selected images** are copied to the current folder, where they are assigned new file numbers in ascending order starting from the largest file number in memory. **Copy>All images** copies all folders from the source medium; file names do not change but new folder numbers are assigned in ascending order, starting from the largest folder number on the destination medium ( 127).
- A single folder can hold up to 200 files; if the current folder already contains 200 files, a new folder, named by adding one to the current folder name, will be created the next time an image is captured. If the current folder is numbered 999 and contains 200 files, or an image is numbered 9999, no further images can be captured until the internal memory or memory card is formatted ( 185), or a new memory card is inserted.










Error Messages
















The following table lists the error messages and other warnings displayed in the monitor, as well as the solutions for dealing with them.

Display	Problem	Solution	
 (blinks)	Clock not set.	Set date and time.	172
 Battery exhausted.	Battery exhausted.	Charge or replace the battery.	14, 16
 Battery temperature high	Battery temperature is high.	Turn off camera, and allow battery to cool down before resuming use. After five seconds, this message will disappear, the monitor will turn off, and the power-on lamp will blink rapidly. After the lamp blinks for three minutes, the camera will turn off automatically. Pressing the power switch also turns off the camera.	19
 The camera will turn off to prevent overheating.	Memory card or inside of camera has become hot.	The camera turns off automatically. Leave the camera off until the memory card or the inside of the camera has cooled and then turn it on again.	—
 ● (● blinks red)	Camera cannot focus.	<ul style="list-style-type: none"> • Refocus. • Use focus lock. 	28, 29 55
 Please wait for the camera to finish recording.	Camera cannot perform other operations until saving is complete.	Wait until message clears from display automatically when saving is complete.	—
 Memory card is write protected.	Write-protect switch is in "lock" position.	Slide write-protect switch to "write" position.	23
 This card cannot be used.	Error accessing memory card.	<ul style="list-style-type: none"> • Use approved card. • Check that terminals are clean. • Confirm that memory card is correctly inserted. 	198 22
 This card cannot be read.			22
















Display	Problem	Solution	
ⓘ Card is not formatted. Format card? Yes No	Memory card has not been formatted for use in COOLPIX S9100.	Formatting deletes all data saved on the memory card. Be sure to select No and make copies of any images which need to be kept before formatting the memory card. Select Yes and press the OK button to format the memory card.	23
ⓘ Out of memory.	Memory card is full.	<ul style="list-style-type: none"> • Choose smaller image size. • Delete images. • Insert new memory card. • Remove memory card and use internal memory. 	47 31, 152 22 22
ⓘ Image cannot be saved.	Error occurred while saving image.	Format internal memory or memory card.	185
	Camera has run out of file numbers.	Insert a new memory card or format internal memory or memory card.	22, 185
	Image cannot be used for welcome screen.	The following images cannot be registered as welcome screen. <ul style="list-style-type: none"> • Images captured at an Image mode setting of HS 3968x2232 • Images captured with easy panorama • Images created using the small picture or crop functions that are 320 x 240 or smaller in size • Still images captured while recording high-definition or full high-definition movies 	171
	Insufficient space to save a copy.	Delete images from destination.	31, 152
ⓘ Album is full. No further pictures can be added.	200 images have already been added to album.	<ul style="list-style-type: none"> • Remove some images from album. • Add to other albums. 	104 101

Error Messages

Display	Problem	Solution	
 Sound file cannot be saved.	A voice memo cannot be attached to this file.	<ul style="list-style-type: none"> Voice memos cannot be attached to movies. Select an image captured with COOLPIX S9100. 	152 126
 Image cannot be modified.	Cannot edit selected image.	<ul style="list-style-type: none"> Select images that support editing function. Movies cannot be edited. 	130 –
 Cannot record movie.	Time out error while saving movie on the memory card.	Choose memory card with faster write speed.	22
 Memory contains no images.	No images in the internal memory or memory card.	<ul style="list-style-type: none"> Remove the memory card from the camera to play back images saved in the camera's internal memory. To copy image from internal memory to memory card, press the MENU button. The copy screen will be displayed and images in the internal memory can be copied to memory card. 	22 127
	No images have been added to the selected album.	<ul style="list-style-type: none"> Add images to the album. Choose an album to which images are added. 	101 103
	No images are contained in the category selected in auto sort mode.	Select the category containing the sorted images.	111
 File contains no image data.	File not created with the COOLPIX S9100.	File cannot be viewed on this camera. View file using a computer or the devices used to create or edit this file.	–
 This file cannot be played back.			
 All images are hidden.	No images available for a slide show.	–	121
 This image cannot be deleted.	Image is protected.	Disable protection.	122

Display	Problem	Solution	
 Travel destination is in the current time zone.	Destination in same time zone as home.	—	174
 Mode dial is not in the proper position.	The mode dial is not set to the correct position.	Rotate the mode dial to select the desired mode.	45
 The flash is lowered.	Flash is lowered in scene auto selector mode.	Slide the  (flash pop-up) control to make the flash pop up. To take pictures without using the flash, take pictures with the flash lowered.	33, 62
 Raise the flash.	Flash is lowered in  (night portrait) or  (backlighting) scene mode.	Slide the  (flash pop-up) control to make the flash pop up.	33, 65, 66
 Unable to create panorama.	Could not shoot using easy panorama.	Shooting with easy panorama may not be possible in the following situations. <ul style="list-style-type: none"> • When shooting does not end after a certain amount of time • When the camera is moved too fast • When the camera is not moved in a straight line in the panorama direction 	75
 Unable to create panorama. Pan the camera in one direction only.			
 Unable to create panorama. Pan the camera more slowly.			
Lens error 	Lens error.	Turn camera off and then on again. If error persists, contact retailer or Nikon-authorized service representative.	24
 Communications error	Error occurred during communication with printer.	Turn camera off and reconnect USB cable.	164
System error 	Error has occurred in camera's internal circuitry.	Turn camera off, remove and reinsert battery, and turn camera on. If error persists, contact retailer or Nikon-authorized service representative.	14, 19

Error Messages




Display	Problem	Solution	
 Printer error: check printer status.	Printer error.	Check printer. After solving the problem, select Resume and press the  button to resume printing.*	—
 Printer error: check paper	Specified size of paper is not loaded in printer.	Load the specified paper, select Resume , and press the  button to resume printing.*	—
 Printer error: paper jam	Paper has jammed in printer.	Remove the jammed paper, select Resume , and press the  button to resume printing.*	—
 Printer error: out of paper	No paper is loaded in printer.	Load the specified paper, select Resume , and press the  button to resume printing.*	—
 Printer error: check ink	Ink error.	Check ink, select Resume , and press the  button to resume printing.*	—
 Printer error: out of ink	Running out of ink or ink cartridge is empty.	Replace ink cartridge, select Resume , and press the  button to resume printing.*	—
 Printer error: file corrupt	An error caused by the image file has occurred.	Select Cancel and press the  button to cancel printing.	—


* See the documentation provided with your printer for further guidance and information.

Troubleshooting

If the camera fails to function as expected, check the list of common problems below before consulting your retailer or Nikon-authorized service representative.

Display, Settings, and Power Supply





Problem	Cause/Solution	
The battery inserted in the camera cannot be charged.	<ul style="list-style-type: none"> • Confirm all connections. • Off is selected for Charge by computer in the setup menu. • When charging by connecting the camera to a computer, battery charging stops when the camera is turned off. • When charging by connecting the camera to a computer, battery charging stops when the computer is suspended (sleeping), and the camera may turn off. • Depending upon computer specifications, settings, and status, charging the battery inserted in the camera may not be possible via computer connection. 	16 187 162 162 –
Camera cannot be turned on.	<ul style="list-style-type: none"> • Battery is exhausted. • The camera cannot be turned on while connected to an electrical outlet via the Charging AC Adapter. 	24 16
Camera turns off without warning.	<ul style="list-style-type: none"> • Battery is exhausted. • Camera has turned off automatically to save power. • The camera and battery may not perform properly if they are cold. • The camera turns off if the Charging AC Adapter is connected while the camera is on. • The camera turns off if the USB cable connecting it to a computer or printer is disconnected. Reconnect the USB cable. • Inside of the camera has become hot. Leave the camera off until the inside of the camera has cooled, and then try turning it on again. 	24 184 195 16 158, 160, 164 –
Monitor is blank.	<ul style="list-style-type: none"> • Camera is off. • Standby mode for saving power: press the power switch, shutter-release button,  button, or  (movie-record) button, or rotate the mode dial. • When flash lamp blinks, wait until flash has charged. • Camera and computer are connected via USB cable. • Camera and TV are connected via A/V cable or HDMI cable. 	19 4, 10, 19, 30 34 158 155
Monitor is hard to read.	<ul style="list-style-type: none"> • Adjust monitor brightness. • Monitor is dirty. Clean monitor. 	175 196










Problem	Cause/Solution	
Date and time of recording are not correct.	<ul style="list-style-type: none"> If camera clock has not been set, "Date not set" indicator blinks with shooting and movie recording. Images and movies saved before clock is set are dated "00/00/0000 00:00" or "01/01/2011 00:00" respectively. Set the correct time and date from the Time zone and date option in the setup menu. Check camera clock regularly against more accurate timepieces and reset as required. 	20, 172
No indicators displayed in monitor.	Hide info is selected for Photo info . Select Show info .	175
Print date not available.	Camera clock has not been set.	20, 172
Date not imprinted on images even when Print date is enabled.	<ul style="list-style-type: none"> The current shooting mode is one that does not support Print date. The date cannot be imprinted on movies. The date cannot be imprinted on still images saved during movie recording. 	177 – –
Screen for setting time zone and date is displayed when camera is turned on.	Clock battery is exhausted; all settings were restored to their default values.	20, 173
Camera settings reset.		
Monitor turns off, and the power-on lamp blinks rapidly.	Battery temperature is high. Turn off camera and allow battery to cool down before resuming use. After the lamp blinks for three minutes, the camera will turn off automatically. Pressing the power switch also turns off the camera.	19
Camera becomes hot.	The camera may become hot when shooting movies for an extended period of time or when the camera is used in a hot area; this is not a malfunction.	–






Electronically Controlled Cameras

In extremely rare instances, unusual characters may appear in the monitor and the camera may stop functioning. In most cases, this phenomenon is caused by a strong external static charge. Turn the camera off, remove and replace the battery, then turn the camera on again. In the event of continued malfunction, contact your retailer or Nikon-authorized service representative. Note that disconnecting the power source as described above may result in the loss of any data not saved to internal memory or the memory card at the time the problem occurred. Data already saved will not be affected.


Shooting



Problem	Cause/Solution	
Cannot switch to shooting mode.	Disconnect HDMI cable or USB cable.	155, 158, 164
No image captured when the shutter-release button is pressed.	<ul style="list-style-type: none"> When camera is in playback mode, press the  button or shutter-release button. When menus are displayed, press the MENU button. Battery is exhausted. When flash lamp blinks, flash is charging. 	4, 30 12 24 34
Camera cannot focus.	<ul style="list-style-type: none"> Subject is too close. Try shooting using macro mode, or the Scene auto selector or Close-up scene modes. The intended subject is one with which autofocus does not perform well. Set AF assist in the setup menu to Auto. Turn camera off and then on again. 	39, 61, 70 29 181 19
Images are blurred.	<ul style="list-style-type: none"> Use flash. Enable vibration reduction or motion detection. Use BSS (best shot selector). Use tripod and self-timer. 	32 178, 180 82 35
Bright specks appear in images captured with flash.	Flash is reflecting off particles in air. Lower the flash or set the flash mode setting to  (off).	34
Flash does not fire.	<ul style="list-style-type: none"> The flash is lowered, or flash mode is set to  (off). Scene mode with which the flash does not fire is selected. Flash is not fully raised. Do not hold down the flash. Another function that restricts flash is enabled. 	32 64 26 87
Digital zoom cannot be used.	<ul style="list-style-type: none"> Digital zoom is set to Off in the setup menu. Another function that disables digital zoom is enabled. 	182
Image mode not available.	<ul style="list-style-type: none"> Another function that restricts the Image mode option is enabled. Available image modes differ according to the current shooting mode. 	87 47


Problem	Cause/Solution	
No sound when shutter is released.	Off is selected for Sound settings>Shutter sound in setup menu. No sound is heard with some shooting modes and settings, even when On is selected.	183
AF-assist illuminator does not light.	Off is selected for the AF assist option in the setup menu. AF-assist illuminator may not light depending on the position of the focus area or the current scene mode, even when Auto is selected.	64-73, 181
Images appear smeared.	Lens is dirty. Clean lens.	196
Colors are unnatural.	White balance or hue is not adjusted properly.	40, 49, 71
Randomly spaced bright pixels ("noise") appear in image.	Shutter speed is too slow or ISO sensitivity is high as the subject is dark. Noise can be reduced by: <ul style="list-style-type: none"> • Using flash. • Specifying a lower ISO sensitivity setting. 	32 52
Images are too dark (underexposed).	<ul style="list-style-type: none"> • The flash is lowered, or the flash mode is set to  (off). • Flash window is blocked. • Subject is beyond flash range. • Adjust exposure compensation. • Increase ISO sensitivity. • Subject is backlit. Select  (backlighting) or set the flash mode to  (fill flash). 	32 26 32 43, 44 52 32, 66
Images are too bright (overexposed).	Adjust exposure compensation.	43, 44
Unexpected results when flash set to  (auto with red-eye reduction).	When using  (auto with red-eye reduction) or  (night portrait) to take pictures using the flash, In-Camera Red Eye Fix may be applied to areas not affected by red-eye. Use any shooting mode other than  (night portrait), change the flash mode to any setting other than  (auto with red-eye reduction), and then try taking a picture again.	32, 65

Problem	Cause/Solution	
Saving images takes time.	It may take more time to save images in the following situations.	
	• When the noise reduction function is in operation.	34
	• When the flash mode is set to  (auto with red-eye reduction).	32
	• When taking pictures in the following scene modes.	
	-  (night landscape)	64
	-  (night portrait)	65
	-  (backlighting) (when HDR is set to On)	66
	- Portrait	67
	• When using continuous shooting mode.	80
A ring-shaped belt or rainbow-colored stripe appears in the monitor or images.	When shooting with backlighting or when a very strong light source (such as sunlight) is in the frame, a ring-shaped belt or rainbow-colored stripe (ghosting) may occur. Change the position of the light source, or frame the picture so that the light source does not enter the frame and try again.	–

Playback

Problem	Cause/Solution	
File cannot be played back.	• File or folder was overwritten or renamed by computer or other make of camera.	–
	• The COOLPIX S9100 is not able to play back movies recorded with another make or model of digital camera.	152
Cannot zoom in on image.	• Playback zoom cannot be used with movies, small pictures, or images that have been cropped to a size of 320 × 240 or smaller.	–
	• The COOLPIX S9100 may not be able to zoom in on images captured with another make or model of digital camera.	
Cannot record or play back voice memos.	• Voice memos cannot be attached to movies.	152
	• Voice memos can only be attached to images captured with the COOLPIX S9100. Voice memos attached to images using another camera cannot be played back on this camera.	126

Problem	Cause/Solution	
Cannot use quick retouch, D-Lighting, skin softening, filter effects, frame, small picture, or crop.	<ul style="list-style-type: none"> These options cannot be used with movies. 	152
	<ul style="list-style-type: none"> Images captured at an Image mode setting of  3968×2232 and still images captured while recording high-definition or full high-definition movies cannot be edited. 	47
	<ul style="list-style-type: none"> Select images that support quick retouch, D-Lighting, skin softening, filter effects, frame, small picture, or crop. 	131
	<ul style="list-style-type: none"> The COOLPIX S9100 is not able to edit images captured with another make or model of digital camera. 	130
Images not displayed on television.	<ul style="list-style-type: none"> Video mode or HDMI is not correctly set in the TV settings setup menu. 	186
	<ul style="list-style-type: none"> Cables are connected to the HDMI mini connector (Type C) and to the USB/audio/video output connector simultaneously. 	155, 158
	<ul style="list-style-type: none"> Memory card contains no images. Replace the memory card. Remove the memory card to play back images from the internal memory. 	22
Album icons are reset to their default icons, images added to albums cannot be displayed in favorite pictures mode.	Data saved in the internal memory or on the memory card may not be played back correctly if overwritten by a computer.	–
The saved images are not displayed in auto sort mode.	<ul style="list-style-type: none"> The desired image was sorted to a category other than the category currently displayed. 	109
	<ul style="list-style-type: none"> Images saved by a camera other than the COOLPIX S9100 and images copied using the Copy option cannot be displayed in auto sort mode. 	111
	<ul style="list-style-type: none"> Images saved in the internal memory or on the memory card may not be played back correctly if overwritten by a computer. 	–
	<ul style="list-style-type: none"> Up to 999 images and movies in total can be added to each category. If the desired category already contains 999 images or movies in total, new images or movies cannot be added. 	111

Problem	Cause/Solution	
Nikon Transfer 2 does not start when camera is connected.	<ul style="list-style-type: none"> • Camera is off. • Battery is exhausted. • USB cable is not correctly connected. • Camera is not recognized by the computer. • Confirm system requirements. • Computer is not set to start Nikon Transfer 2 automatically. <p>For more information on Nikon Transfer 2, refer to help information contained in ViewNX 2.</p>	<p>19 24 158 – 157 161</p>
The PictBridge startup screen is not displayed when the camera is connected to a printer.	With some PictBridge-compatible printers, the PictBridge startup screen may not be displayed and it may be impossible to print images when Auto is selected for the Charge by computer option in the setup menu. Set the Charge by computer option to Off and reconnect the camera to the printer.	187
Images to be printed are not displayed.	<ul style="list-style-type: none"> • Memory card contains no images. Replace the memory card. • Remove the memory card to print images from the internal memory. 	22
Cannot select paper size with camera.	<p>Paper size cannot be selected from the camera in the following situations, even when printing from a PictBridge-compatible printer. Use the printer to select paper size.</p> <ul style="list-style-type: none"> • The printer does not support the paper sizes specified by the camera. • The printer automatically selects the paper size. 	<p>165, 166 –</p>


Specifications

Nikon COOLPIX S9100 Digital Camera

Type	Compact digital camera
Effective pixels	12.1 million
Image sensor	$\frac{1}{2.3}$ -in. type CMOS; approx. 12.75 million total pixels
Lens	18x optical zoom, NIKKOR lens
Focal length	4.5-81.0mm (angle of view equivalent to that of 25-450 mm lens in 35mm [135] format)
f/-number	f/3.5-5.9
Construction	12 elements in 11 groups
Digital zoom	Up to 4x (angle of view equivalent to that of approx. 1800 mm lens in 35mm [135] format)
Vibration reduction	Combination of image sensor shift and electronic VR (still pictures) Electronic VR (movies)
Autofocus (AF)	Contrast-detect AF
Focus range (from lens)	<ul style="list-style-type: none"> • [W]: Approx. 50 cm (1 ft. 8 in.) to ∞, [T]: Approx. 1.5 m (5 ft.) to ∞ • Macro mode: Approx. 4 cm (1.6 in.) to ∞ (wide-angle position)
Focus-area selection	Face priority, auto (9-area automatic selection), manual with 99 focus areas, center, subject tracking
Monitor	7.5 cm (3-in.), approx. 921k-dot, wide viewing angle TFT LCD with anti-reflection coating and 5-level brightness adjustment
Frame coverage (shooting mode)	Approx. 97% horizontal and 97% vertical
Frame coverage (playback mode)	Approx. 100% horizontal and 100% vertical
Storage	
Media	Internal memory (approx. 74 MB), SD/SDHC/SDXC memory card
File system	DCF, Exif 2.3, and DPOF compliant
File formats	Still pictures: JPEG Sound files (Voice Memo): WAV Movies: MOV (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)
Image size (pixels)	<ul style="list-style-type: none"> • 12M (High) [4000 \times 3000 ★] • 12M [4000 \times 3000] • 8M [3264 \times 2448] • 5M [2592 \times 1944] • 3M [2048 \times 1536] • PC [1024 \times 768] • VGA [640 \times 480] • 16:9 [3968 \times 2232]
ISO sensitivity (Standard output sensitivity)	<ul style="list-style-type: none"> • ISO 160, 200, 400, 800, 1600, 3200 • Auto (auto gain from ISO 160 to 800) • Fixed range auto (ISO 160 to 400) • High-speed continuous (ISO 160 to 3200)

Exposure	
Metering	256-segment matrix, center-weighted, spot (digital zoom 2× or more)
Exposure control	Programmed auto exposure with motion detection and exposure compensation (−2.0 to +2.0 EV in steps of 1/3 EV)
Shutter	Mechanical and CMOS electronic shutter
Speed	<ul style="list-style-type: none"> 1/2000–1 s 1/4000–1/125 s (Continuous H: 120 fps) 1/4000–1/60 s (Continuous H: 60 fps) 4 s (Fireworks show scene mode)
Aperture	Electronically-controlled ND filter (−2 AV) selection
Range	2 steps (f/3.5 and f/7 [W])
Self-timer	Can be selected from 10 and 2 seconds duration
Built-in flash	
Range (approx.)	[W]: 0.5 to 4.0 m (1 ft. 8 in. to 13 ft.)
(ISO sensitivity: Auto)	[T]: 1.5 to 2.5 m (5 ft. to 8 ft. 2 in.)
Flash control	TTL auto flash with monitor preflashes
Interface	Hi-Speed USB
Data transfer protocol	MTP, PTP
Video output	Can be selected from NTSC and PAL
HDMI output	Can be selected from Auto , 480p , 720p , and 1080i
I/O terminal	Audio/video (A/V) output; digital I/O (USB) HDMI mini connector (Type C) (HDMI output)
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian
Power sources	One Rechargeable Li-ion Battery EN-EL12 (supplied) AC Adapter EH-62F (available separately)
Charging time	Approx. 3 hours and 50 minutes (when using Charging AC Adapter EH-69P and when no charge remains)
Battery life (EN-EL12)	Still pictures*: Approx. 270 shots Movies: Approx. 1 h 20 min (HD 1080p★)
Tripod socket	1/4 (ISO 1222)
Dimensions (W × H × D)	Approx. 104.8 × 62.0 × 34.6 mm (4.2 × 2.5 × 1.4 in.) (excluding projections)
Weight	Approx. 214 g (7.6 oz) (including battery and SD memory card)
Operating environment	
Temperature	0 to 40°C (32 to 104°F)
Humidity	Less than 85% (no condensation)

Specifications

- Unless otherwise stated, all figures are for a camera with a fully-charged Rechargeable Li-ion Battery EN-EL12 operated at an ambient temperature of 25°C (77°F).
- * Based on Camera and Imaging Products Association (CIPA) standards for measuring the life of camera batteries. Measured at 23 (±2)°C (73 (±4)°F); zoom adjusted with each shot, flash fired with every other shot, image mode set to  4000×3000. Battery life may vary depending on shooting interval and length of time menus and images are displayed.

Rechargeable Li-ion Battery EN-EL12

Type	Rechargeable lithium-ion battery
Rated capacity	DC 3.7 V, 1050 mAh
Operating temperature	0 to 40°C (32 to 104°F)
Dimensions (W × H × D)	Approx. 32 × 43.8 × 7.9 mm (1.3 × 1.7 × 0.3 in.)
Weight	Approx. 22.5 g (0.8 oz) (excluding terminal cover)

Charging AC Adapter EH-69P

Rated input	AC 100-240 V, 50/60 Hz, 0.068-0.042 A
Rated capacity	6.8-10.1 VA
Rated output	DC 5.0 V, 550 mA
Operating temperature	0 to 40°C (32 to 104°F)
Dimensions (W × H × D)	Approx. 55 × 22 × 54 mm (2.2 × 0.9 × 2.2 in.) (excluding plug adapter) For Argentina: Approx. 55 × 59 × 63 mm (2.2 × 2.4 × 2.5 in.)
Weight	Approx. 55 g (2.0 oz) (excluding plug adapter) For Argentina: Approx. 80 g (2.9 oz)

Specifications

Nikon will not be held liable for any errors this manual may contain. The appearance of this product and its specifications are subject to change without notice.

Supported Standards

- **DCF:** Design Rule for Camera File System is a standard widely used in the digital camera industry to ensure compatibility among different makes of camera.
- **DPOF:** Digital Print Order Format is an industry-wide standard that allows images to be printed from print orders saved on memory cards.
- **Exif version 2.3:** This camera supports Exchangeable image file format (Exif) version 2.3 for digital still cameras, a standard that allows information saved with photographs to be used for optimal color reproduction when images are output from Exif-compliant printers.
- **PictBridge:** A standard developed cooperatively by the digital camera and printer industries, allowing photographs to be output directly to a printer without connecting the camera to a computer.

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
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